```
semaphore stop, wait, mutex1, mutex2;
mutex1 = 1; mutex2 = 1; stop = 1; wait = 1;
int count1, count2; count1 = 0; count2 = 0;

process P东(){                      process P西(){
    P(stop);                           P(stop);
        P(mutex1);                         P(mutex2);
            count1++;                          count2++;
            if(count1 == 1)                    if(count2 == 1)
                P(wait);                           P(wait);
        V(mutex1);                         V(mutex2);
    V(stop);                           V(stop);
    过独木桥;                          过独木桥;
    P(mutex1);                         P(mutex2);
        count1--;                          count2--;
    if(count1 == 0)                    if(count2 == 0)
        V(wait);                           V(wait);
    V(mutex1);                         V(mutex2);
}                                  }
```